



PubMed

Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Bio

Search PubMed

for

Go

Clear

Limits

Preview/Index

History

Clipboard

Details

About Entrez

Display

Abstract

Show: 20

Sort

Send to

Text

Text Version

Entrez PubMed

Overview

Help | FAQ

Tutorial

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

LinkOut

Cubby

Related Resources

Order Documents

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

Privacy Policy

1: Eur J Dermatol. 2000 Oct-Nov;10(7):505-10.

Related Articles. Li

## The EGFR receptor - an essential regulator of multiple epidermal functions.

Jost M, Kari C, Rodeck U.

Department of Dermatology and Cutaneous Biology, Institute for Molecular Medicine and the Kimmel Cancer Center, Thomas Jefferson University, 319 BLSB233 S. 10th St., Philadelphia, PA 19107, USA.

Epidermal keratinocytes express both the epidermal growth factor receptor (EGFR) and several of its ligands, establishing the constitutive elements of an autocrine loop in this cell type. Activation of the EGFR provides signals essential to several aspects of normal keratinocyte biology including cell cycle progression, differentiation, cell movement and cellular survival. It may be argued that enhanced keratinocyte survival via EGFR activation is the most important function as it limits the manifestation of other phenotypes. The frequent deregulation of EGFR expression and activation in benign and malignant hyperproliferative skin diseases motivates the investigation of EGFR-dependent intracellular pathways which contribute to the varied EGFR dependent phenotypes.

### Publication Types:

- Review
- Review, Tutorial

PMID: 11056418 [PubMed - indexed for MEDLINE]

Display

Abstract

Show: 20

Sort

Send to

Text

[Write to the Help Desk](#)[NCBI | NLM | NIH](#)[Department of Health & Human Services](#)[Freedom of Information Act | Disclaimer](#)

Jul 8 2003 10:51